

Title (en)
HERMETIC GLASS-TO-METAL SEAL ASSEMBLY AND METHOD OF MANUFACTURING HERMETIC GLASS-TO-METAL SEAL ASSEMBLY

Title (de)
HERMETISCHE GLAS-METALL-DICHTANGSANORDNUNG UND VERFAHREN ZUR HERSTELLUNG EINER GLAS-METALL-DICHTUNGSANORDNUNG

Title (fr)
ENSEMBLE D'ÉTANCHÉITÉ VERRE-MÉTAL HERMÉTIQUE ET PROCÉDÉ DE FABRICATION D'UN ENSEMBLE D'ÉTANCHÉITÉ VERRE-MÉTAL HERMÉTIQUE

Publication
EP 2419387 A2 20120222 (EN)

Application
EP 10765255 A 20100416

Priority
• US 2010031385 W 20100416
• US 16988309 P 20090416

Abstract (en)
[origin: WO2010121124A2] A glass-to-metal hermetic seal assembly in a sight glass assembly or a hermetic terminal assembly is disclosed and includes a glass component, an intermediate component, and an outer ring. The intermediate component is provided around the glass component. The glass component is fused to the intermediate component. The outer ring, which has a coefficient of thermal expansion that is greater than a coefficient of thermal expansion of the glass component, compresses the intermediate component against the glass component to create a hermetic compression seal.

IPC 8 full level
C03C 27/04 (2006.01); **B65D 8/04** (2006.01); **B65D 25/54** (2006.01); **G01F 23/02** (2006.01)

CPC (source: EP KR US)
B65D 25/54 (2013.01 - KR); **C03C 27/04** (2013.01 - KR); **C03C 27/046** (2013.01 - EP US); **G01F 23/02** (2013.01 - EP KR US); **Y10T 428/12389** (2015.01 - EP US); **Y10T 428/12451** (2015.01 - EP US); **Y10T 428/131** (2015.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010121124 A2 20101021; WO 2010121124 A3 20110120; BR PI1015020 A2 20180417; BR PI1015020 B1 20200422; CN 102428051 A 20120425; CN 102428051 B 20150603; CN 104909585 A 20150916; CN 104909585 B 20171208; EP 2419387 A2 20120222; EP 2419387 A4 20171115; EP 2419387 B1 20210818; JP 2012524000 A 20121011; JP 5631974 B2 20141126; KR 101753730 B1 20170719; KR 20120030369 A 20120328; US 2012034403 A1 20120209; US 9175999 B2 20151103

DOCDB simple family (application)
US 2010031385 W 20100416; BR PI1015020 A 20100416; CN 201080021530 A 20100416; CN 201510237689 A 20100416; EP 10765255 A 20100416; JP 2012505956 A 20100416; KR 20117027162 A 20100416; US 201013263951 A 20100416